

City of Edmonds

Urban Forest Management Plan Planning Board Session



Presented by Davey Resource Group
and Nature InSight Consulting
July 26, 2017

Presentation Road Map

- Defining the Urban Forest
- Developing the Urban Forest Management Plan
- The Process So Far
- Urban Tree Canopy Assessment Results
- Benefits of Edmonds' Tree Canopy
- Community Public Vision Session, Outreach Findings
 - Opinion Boards
- Next Steps
 - Vision and Goals
 - Online Survey

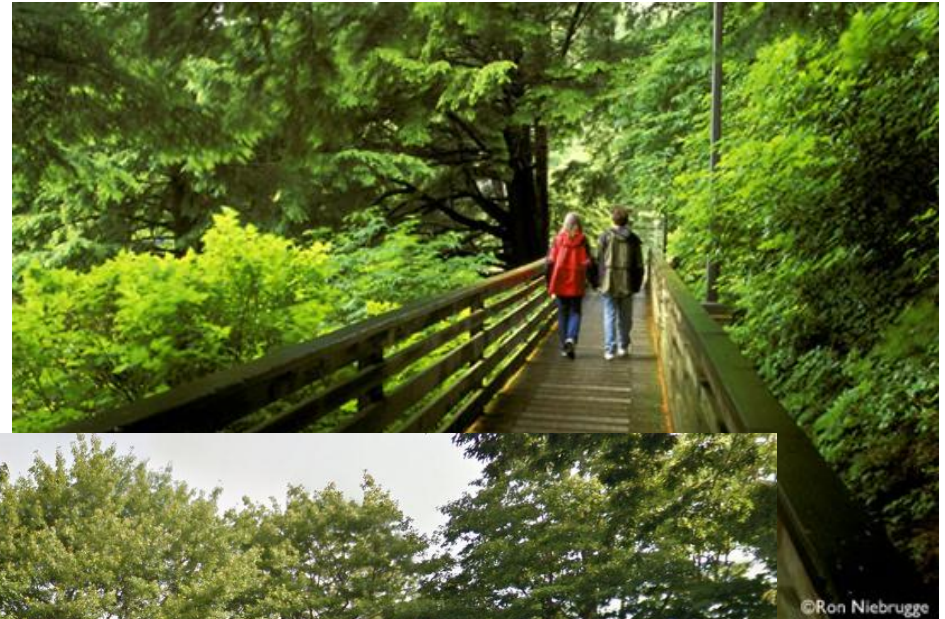
•Defining the Urban Forest

•Public Trees

- Parks & Natural Areas
- Public rights-of-way
- Trees at city facilities

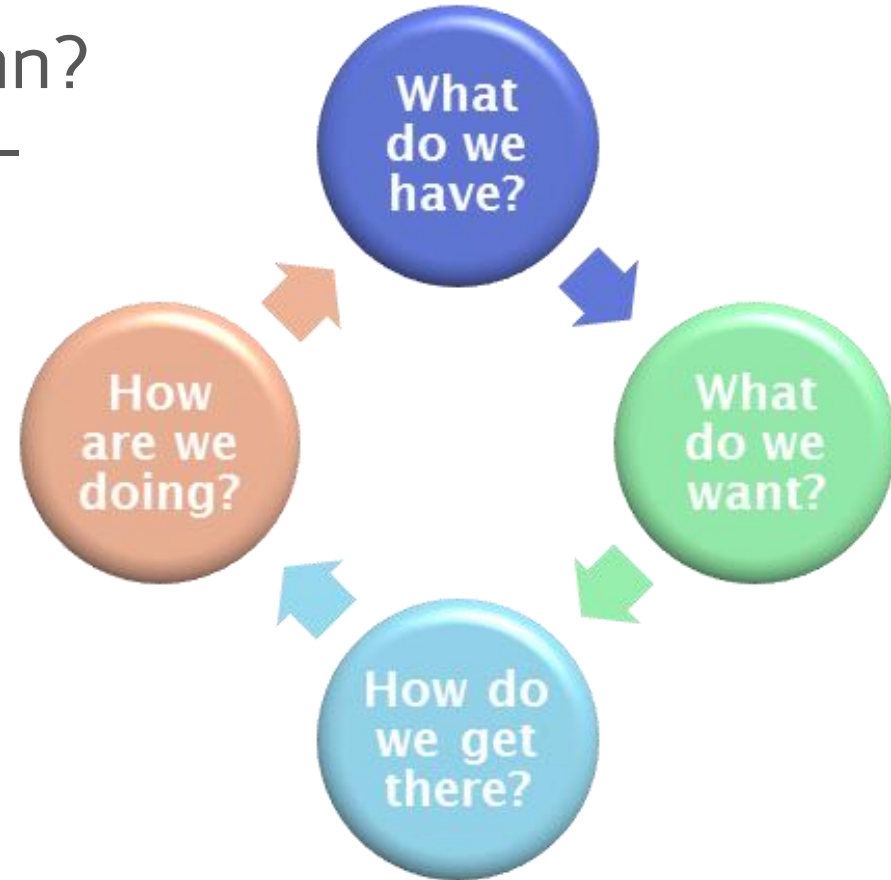
•Private Trees

- Residential
- Commercial
- Industrial



Developing the Urban Forest Management Plan

- What is an urban forest management plan?
 - Guidance for City property, public rights-of-way, and critical habitat areas
 - Long- and short-term goals
 - Adaptive management principles
- Why is a master plan important?
 - Promote a shared vision
 - Communicate value and benefit of trees
 - Manage challenges and opportunities
 - Pathway to pro-active management



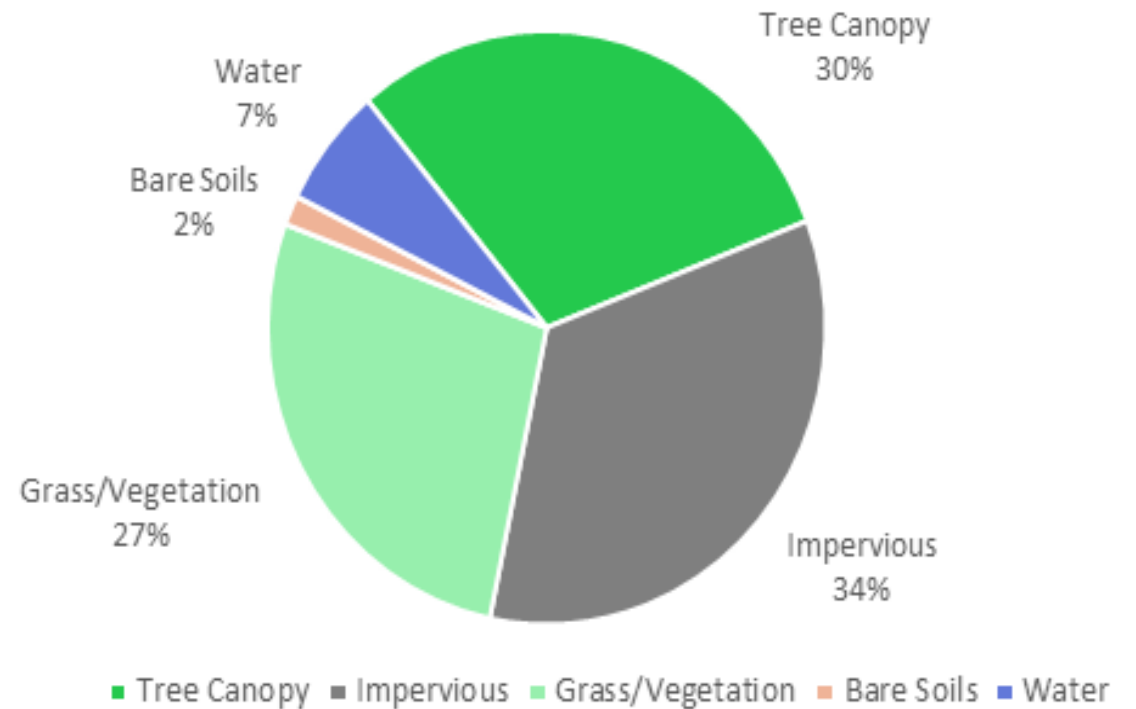
The Process so far...

- Stakeholder Interviews
 - Parks, Recreation & Cultural Services
 - Development Services
 - Public Works & Utilities
 - Tree Board
- Document Research
- Urban Tree Canopy (UTC) Assessment
- Public Input Opportunities
 - Community Public Vision Session (June 22nd, 2017)

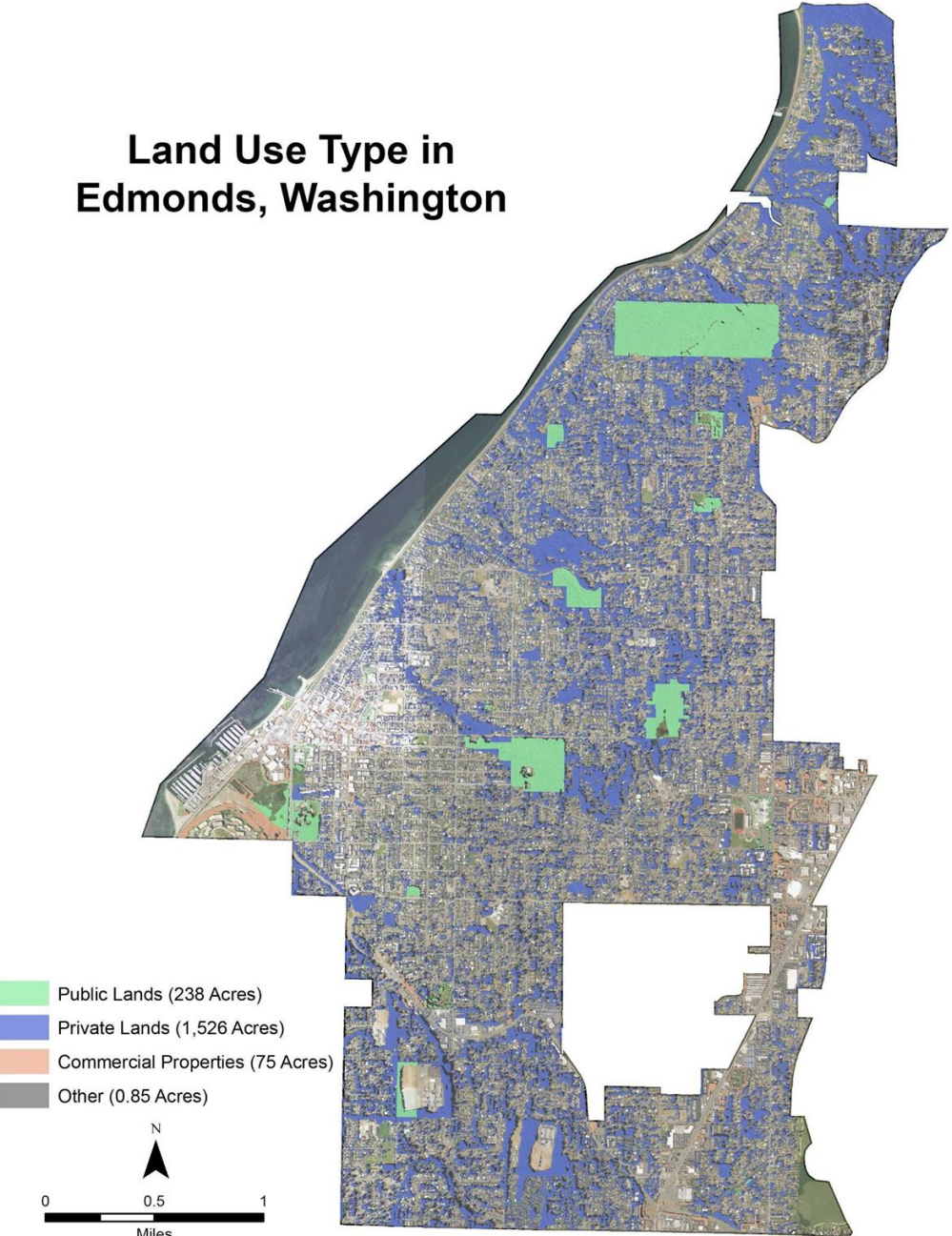


Main Street with logs, Edmonds, 1910
(Courtesy Edmonds Historical Museum)

Edmonds' Urban Forest Canopy



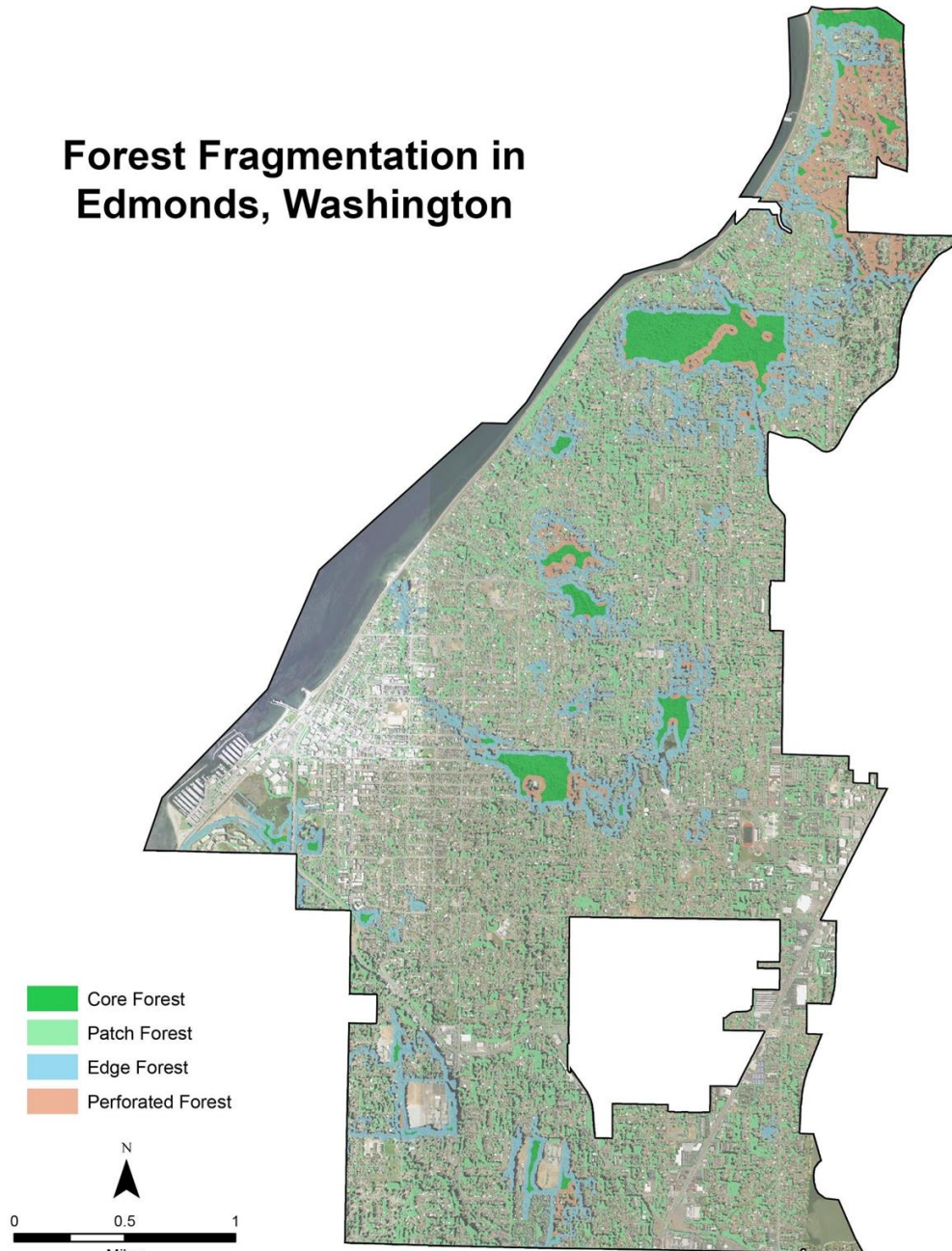
Land Use Type in
Edmonds, Washington



Edmonds' Tree Canopy by Land Type

Zone	Acreage	Percentage
Commercial	75	4.1%
Public	238	12.9%
Private	1,526	83.0%
Total	1,839	100 %

Forest Fragmentation in Edmonds, Washington



Edmonds' Forest Fragmentation

- 190 acres of Core Canopy
- 151 acres of Perforated Canopy
- 1,023 acres of Patch Canopy
- 480 acres of Edge Canopy

Edmonds' Canopy Benefits

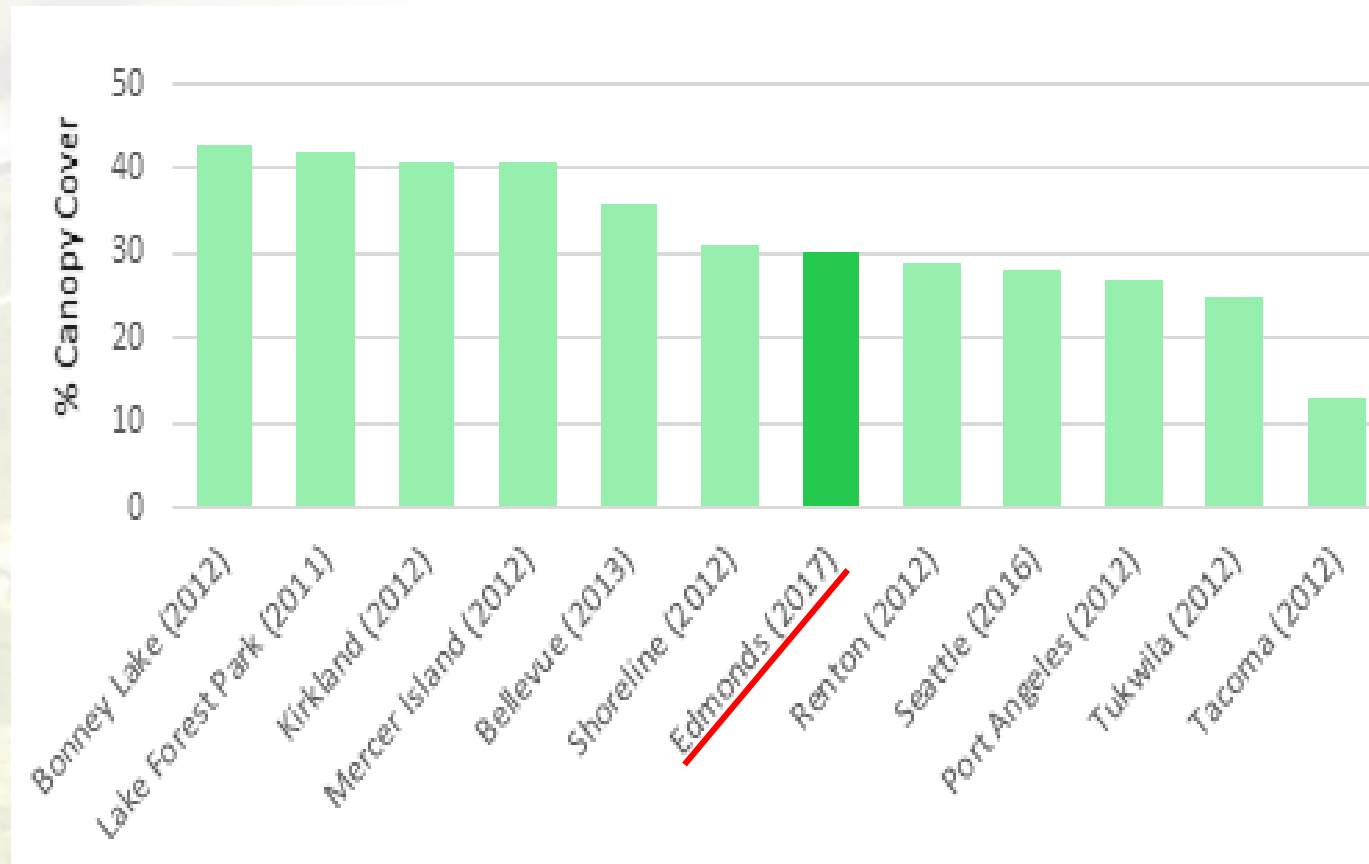
- To date, trees in Edmonds are storing 188,000 tons of carbon, valued at \$6.8 million
- Annually, trees in Edmonds provide:
 - \$1.2 million in stormwater benefits (42.8 million gallons of runoff prevented)
 - \$147,000 in air quality improvements (42.2 tons of pollutants removed)
 - \$222,000 in carbon sequestration (An additional 6,300 tons of carbon)



Canopy Perspective

Edmonds' Tree Canopy Change

- A decrease of 2.3% (since 2005)



Timeline

Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	SPRING 2018
Research, UTC Review							
On-Line Survey (Closes July 21st)							
	UFMP Draft #1	UFMP Draft #1 (review)		UFMP Draft #2	UFMP Draft #2 (Review)	FINAL DRAFT	FINAL DRAFT (Review)
		Tree Board Meeting (x1), City Council Meeting (x4) Planning Board Meeting (x3), Public Open House (x1)					

Community Public Vision Session, Outreach Findings

- Public meeting on June 22nd, 2017
 1. Most appreciated tree benefits
 2. Types of education and outreach
 3. Biggest tree concern(s)
 4. Desired level of public maintenance
 5. Where to plant trees
 6. Best ways to encourage tree planting and preservation on private property

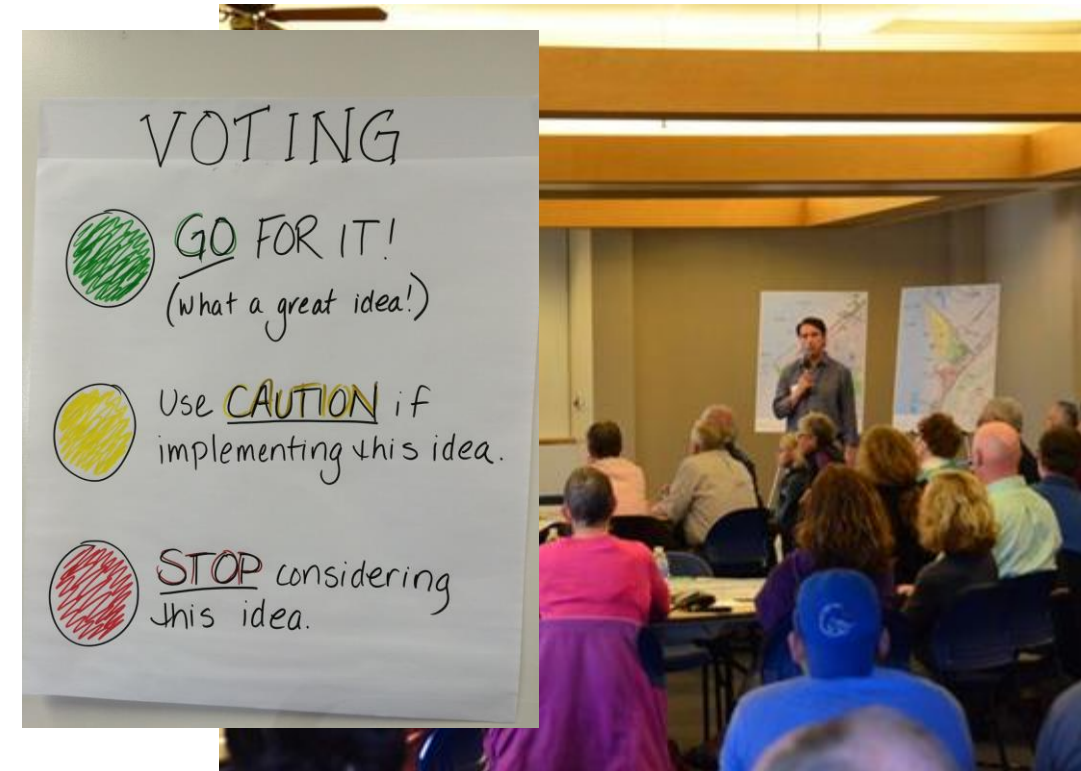
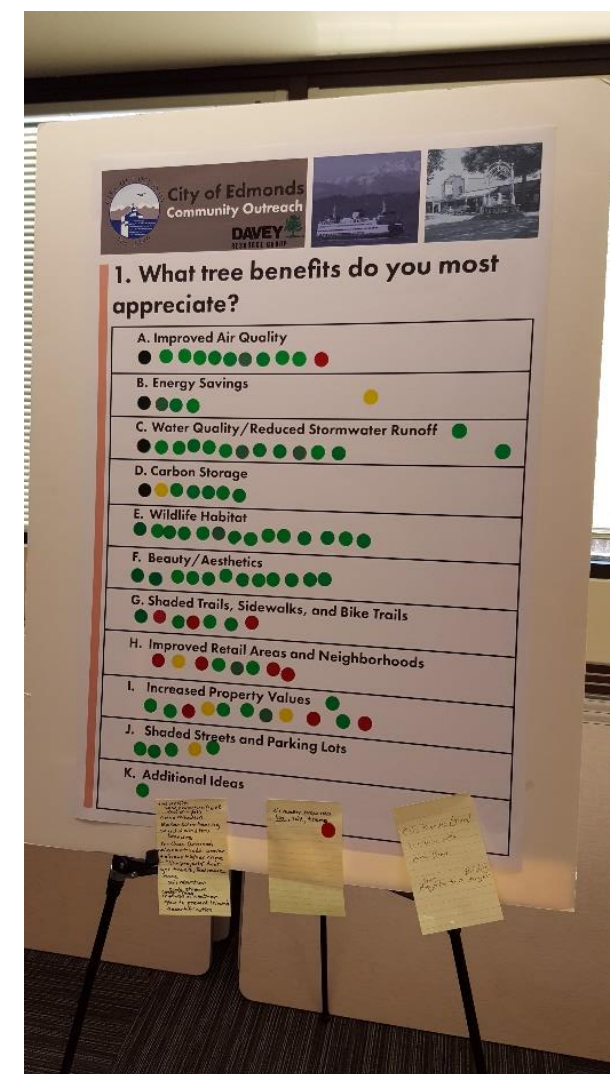


Photo courtesy Larry Vogel, My Edmonds News

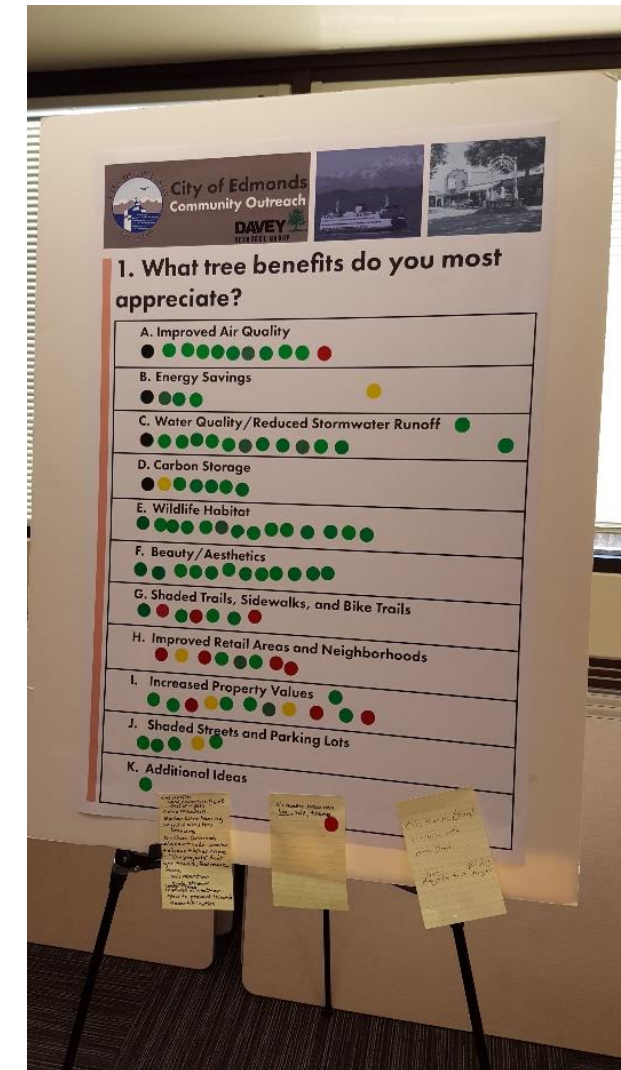
#1 What tree benefits do you most appreciate?

Idea	# Green dots	# Yellow dots	# Red dots
A. Improved Air Quality	11	0	1
A. Energy Savings	4	0	0
A. Water Quality/ Reduced Stormwater Runoff	14	0	0
A. Carbon Storage	7	1	0
A. Wildlife Habitat	14	0	0
A. Beauty/Aesthetics	12	0	0
A. Shaded trails, sidewalks, and bike trails	4	0	3
A. Improved retail areas and neighborhoods	3	1	4
A. Increased property values	7	2	3
A. Shaded streets and parking lots	4	1	0
A. Additional Ideas			



#2 What types of outreach and education are preferred/valued?

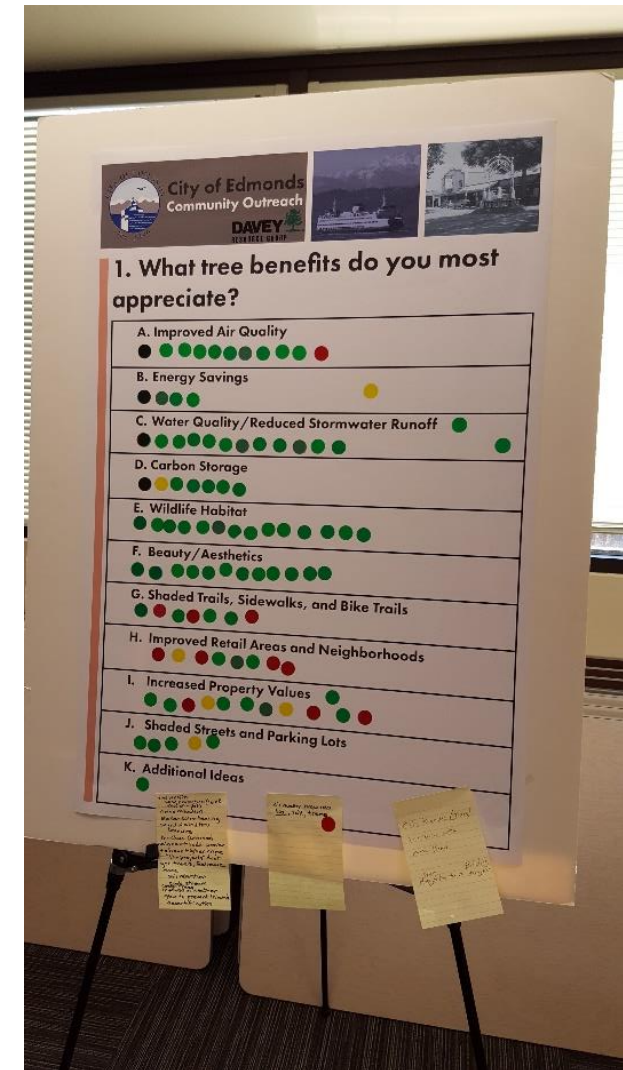
Idea	# Green dots	# Yellow dots	# Red dots
A. Electronic (websites, links, youtube, apps)	2	0	0
i. Species selection	4	0	0
ii. Tree planting	1	0	0
iii. Tree pruning	4	1	0
iv. Interactive tree selector	1	1	0
v. Irrigation	1	0	0
vi. Volunteer opportunities	1	0	0
A. Hard copy (pamphlets, newsletter)	3	0	0
i. Species selection	3	1	0
ii. Tree planting	1	0	0
iii. Tree pruning	3	1	0
iv. Irrigation	0	0	0
A. Hands-on (Workshops, seminars)	2	0	0
i. Tree planting	2	0	0
ii. Tree pruning	5	0	0
iii. Irrigation	0	0	0
iv. Volunteer opportunities	1	0	0



#3 What is/are your biggest concern(s) for trees in Edmonds?

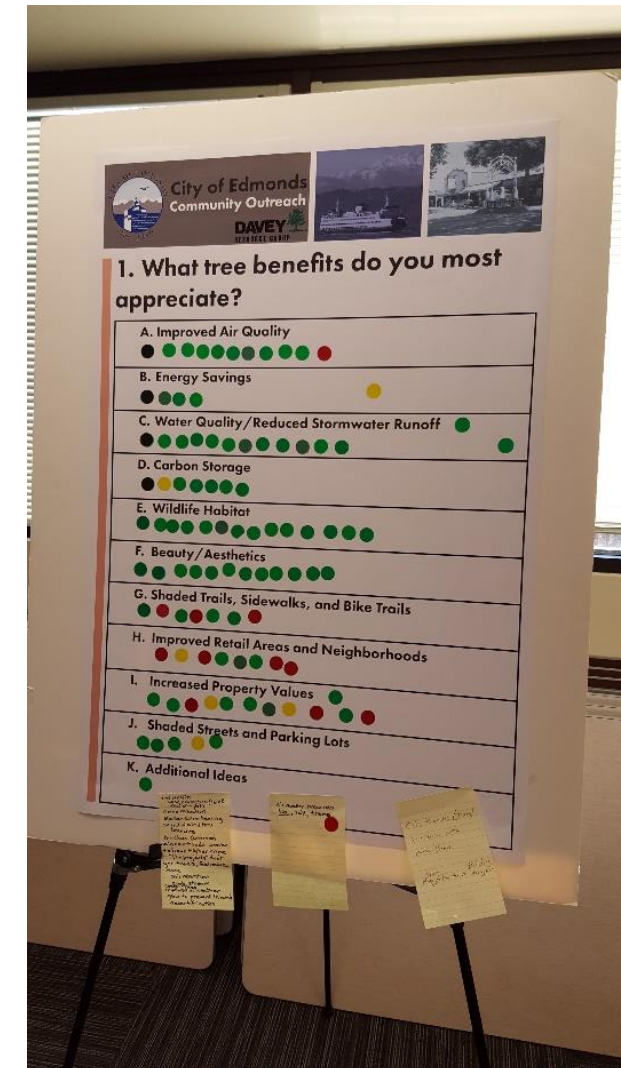
Idea	# Green dots	# Yellow dots	# Red dots
A. Trees blocking my view	11	1	9
A. Trees shading my yard	3	0	7
A. Tree debris in my yard	1	1	5
A. Healthy mature trees being removed	12	0	3
A. Canopy loss	11	0	3
A. Loss of wildlife habitat	15	0	3

***Note: for this opinion board:
Green dots = concerned
Red dots = not concerned



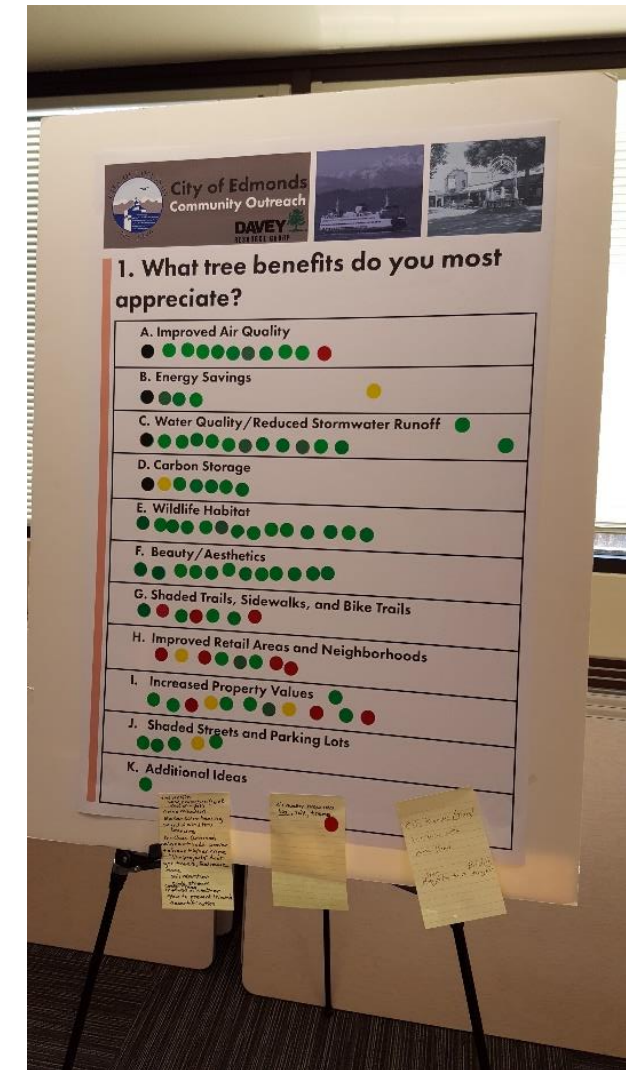
#4 What level of maintenance would you prefer for public trees?

Idea	# Green dots	# Yellow dots	# Red dots
A. None (keep them natural)	1	4	2
A. Best possible care (all trees should look good)	7	1	3
A. Clearance only (keep sidewalks and streets clear)	7	1	1
A. Take care of hazardous trees	10	2	0
A. Holistic plant health care (improve the urban forest, but not necessarily every tree)	8	3	0



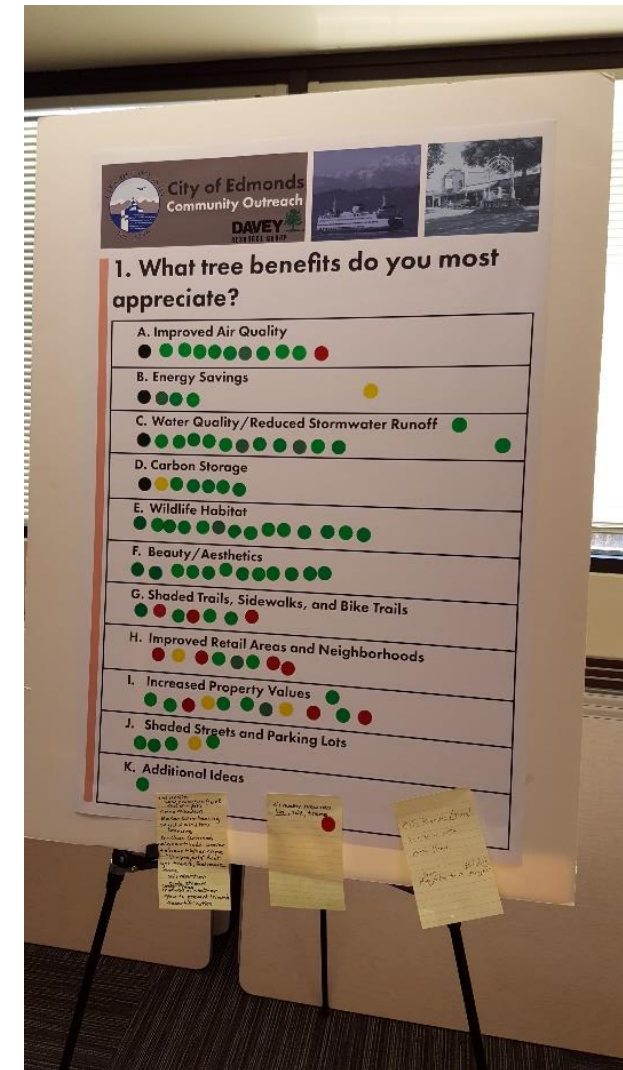
#5 Where would you like to see more trees planted?

Idea	# Green dots	# Yellow dots	# Red dots
A. Parks	10	0	0
A. Open Spaces	10	0	1
A. Commercial properties	9	2	0
A. Streets and medians	7	3	2
A. Parking lots	10	0	0
A. Private properties	8	1	1



#6 What are the best ways to encourage tree planting and preservation on private property?

Idea	# Green dots	# Yellow dots	# Red dots
A. Free (or low-cost) trees	10	0	0
A. Information about how to hire a professional tree care company	3	0	0
A. Education and Outreach	16	0	0
A. Tree planting events	5	0	0



Vision and Goals

Ideas...

- Plant more trees along City streets

Opportunities....

- Education
- Community building

Issues...

- Trees blocking my view/shading my yard

Concerns...

- Debris and dangers
- Environmental degradation



Photo courtesy Larry Vogel, My Edmonds News

Online Survey

OPEN UNTIL JULY 22

<https://www.surveymonkey.com/r/EdmondsUFMP>

<http://www.edmondswa.gov/2011-07-27-22-31-43/planning-long-range.html>

Number of respondents as of July, 20th 2017: 139

Internet Resources

- <https://www.treesaregood.org>



- <https://www.treebenefits.com>

National Tree Benefit Calculator

Beta

Thank you for choosing this site to calculate the economic and ecological benefits of your tree.

Find your climate zone to get started:

Enter your zip code below:

-OR-

Select a zone from the [map](#)

- <https://www.itreetools.org/>



Thank You! Questions?

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